

ZLATEV, I.S.; ISAYEV, P.S.

Use of dispersion relations for checking quantum electrodynamics  
at small distances. Zhur.eksp.i teor.fiz. 37 no.4:1161-1162  
O '59. (MIRA 13:5)

1. Ob"yedinennyi institut yadernykh issledovaniy.  
(Quantum electrodynamics)

ISAYEV, P. S., Cand Phys-Math Sci -- (diss) "Application of dispersion relations for verification of quantum electrodynamics at small distances." /Dubna, 1960/. 13 pp; with diagrams; (Joint Inst of Nuclear Research, Laboratory of Theoretical Physics); 160 copies; price not given; printed on duplicating apparatus; bibliography on page 13 (16 entries); (KL, 17-60, 139)

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9

ISAYEV, P.S.

Note on the mass spectrum of elementary particles. Dubna,  
Ob"edinennyi in-t iadernykh issl. 1961. 4 p.  
(No subject heading)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9"

ISAYEV, P.S.; MESHCHERYAKOV, V.A.; SARANTSEVA, V.R., tekhn. red.

[Effect of  $\pi\pi$ -interaction on the S and p-waves of  $\pi - N$  scattering] Vliyanie  $\pi\pi$ -vzaimodeistviia na S- i p-volny  $\pi - N$  rasseyaniia. Dubna, Ob"edinennyi in-t iadernykh issl., 1962. 20 p. (MIRA 15:6)

(Nuclear reactions) (Mesons)

ISA'EV, P. S., and MESHCHERYAKOV, V. A.

"Effect of the  $\gamma\gamma$  Interaction on  $S$  and  $P$  Waves of  $\pi\pi$  Scattering"

report presented at the Intl. Conference on High Energy Physics, Geneva,  
4-11 July 1962

Joint Institute for Nuclear Research  
Lab. of Theoretical Physics, Dubna, 1962

S/056/62/043/004/029/061  
B108/B102

AUTHORS: Isayev, P. S., Meshcheryakov, V. A.  
 TITLE: Effect of  $\pi\pi$ -interaction on the s and p-waves in  $\pi N$ -scattering  
 PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 43,  
no. 4(10), 1962, 1339-1348

TEXT: Using the Mandelstam representation,  $\pi\pi$ -interaction is taken into account in the equations for  $\pi N$ -scattering. The partial wave amplitudes are considered by combining the dispersion relations for forward and back scattering. States with the isotopic index (-), i.e., the functions

$$a = \tilde{\rho} e^{\Delta} + \frac{g^2}{4\mu_s^2} M (\Delta + \Delta_1), \quad B^{(-)} = \rho e^{\Delta} + g^2 (\Delta - \Delta_0). \quad (1.4)$$

$$\Delta_0 = \frac{1}{2} \int_{-1}^{+1} \Delta d \cos \theta_3, \quad \Delta_1 = \frac{3}{2} \int_{-1}^{+1} \cos^2 \theta_3 \cdot \Delta d \cos \theta_3.$$

following from the unitarity condition are considered (A. V. Yefremov et al.).

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S/056/62/043/004/029/061  
B108/B102

Effect of  $\pi\pi$ -interaction on the...

ZhETF, 39, 439, 1960). In first approximation, the pion form factor is  $F_\pi(v) = (k_r^2 + 1)/(k_r^2 + v + 1)$ . The equations for the s and p partial amplitudes allowing for the cross symmetry have the form

$$\begin{aligned} \operatorname{Re} f_s^{(-)} &= a^- \omega F_\pi(v), \\ 3 \operatorname{Re} f_{p_{s_1}}^{(-)} &= v \left\{ a_1^- [\omega + 1 + F_\pi(v)] + a_3^- \left[ 2 \frac{v}{\omega+1} + 1 - F_\pi(v) \right] \right\} + \\ &+ 2 \frac{v}{\omega} f^2 + \frac{a^- \omega}{v} [1 - F_\pi(v) + v F'_\pi(v)]_{v=0} - \frac{2v}{\pi} \int_0^\infty \operatorname{Im} f_{p_{s_1}}^{(-)}(v') \frac{dv'}{v'^2 \omega' (\omega' + \omega)} - \\ &- \frac{v}{\pi} \int_0^\infty \operatorname{Im} f_{p_{s_2}}^{(-)}(v') \frac{1}{v'^2 (v' - v)} \left[ \frac{F_\pi(v)}{F_\pi(v')} - 1 \right] dv', \end{aligned} \quad (6.1)$$

$$\begin{aligned} 3 \operatorname{Re} f_{p_{s_2}}^{(-)} &= v \left\{ a_3^- \left[ 2\omega + \frac{1 + F_\pi(v)}{2} \right] + a_1^- \left( \frac{v}{\omega+1} - \frac{1 - F_\pi(v)}{2} \right) \right\} + \\ &+ 2 \frac{v}{\omega} f^2 + \frac{a^- \omega}{v} [1 - F_\pi(v) + v F'_\pi(v)]_{v=0} + \end{aligned}$$

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Effect of  $\pi\pi$ -interaction on the...S/056/62/043/004/029/061  
B108/B102

$$+ \frac{v}{\pi} \int_0^\infty \text{Im } f_{p_{3/2}}^{(-)}(v') \frac{1}{v'^2(v'-v)} \left[ 1 + 2 \frac{a}{\omega'} \right] dv' + \\ + \frac{v}{2\pi} \int_0^\infty \text{Im } f_{p_{3/2}}^{(-)}(v') \frac{1}{v'^2(v'-v)} \left[ \frac{F_\pi(v)}{F_\pi(v')} - 1 \right] dv'.$$

The s wave is satisfactorily described when  $a^- = 0.88$ ,  $t_r^- = 22$ . With  $a^- \sim -0.004$ ,  $a_3^- \sim -0.15$ ,  $f^2 = 0.087$ . The  $f_p^{(-)}$  wave is a good rendering of the energy dependence up to  $\eta \sim 3$ . For  $f_{p_{3/2}}^{(-)1/2}$  the dependence on  $\eta$  is qualitatively correct. Up to 1.s. energies of  $\sim 400$  Mev the effect of  $\pi\pi$ -interaction on the  $f_{p_{3/2}}^{(-)}$  wave is only small. There are 3 figures.

ASSOCIATION: Ob'yedinennyj institut yadernykh issledovaniy (Joint Institute of Nuclear Research)

SUBMITTED: March 31, 1962

Card 3/3

ISAYEV, P.S. [Isaiev, P.S.]; KONDRATYUK, I.T.; SHAPLIK, O.V. [Shaplyk, O.V.]

Gas potential of coal-bearing sediments in the Pavlograd-Petrovsko-Pavlovka area of the western Greater Donets Basin. Geol. zhur. 22 no. 5:35-49 '62.

(MIRA 15:2)

1. Dnepropetrovskaya ekspeditsiya Ukrainskogo nauchno-issledovatel'skogo geologorazvedochnogo instituta.  
(Donets Basin—Gas, Natural—Geology)

ISAYEV, P.S.; MESHCHERYAKOV, V.A.

Effect of  $\gamma N$ -interaction on s- and p-waves of  
 $\gamma N$ -scattering. Zhur. eksp. i teor. fiz. 43 no.4:1399-1348  
0 '62.  
(MIRA 15:11)

1. Ob'yedinennyj institut yadernykh issledovaniy.  
(Electromagnetic waves)  
(Mesons-Scattering)

L 8375-65 EWT(m) DIA/P/AFWL/ESD(dp)/RAEM(t)

ACCESSION NR: AR4044030

S/0058/63/000/011/BOP0/3020

SOURCE: Ref. zh. Fizika, Abs. 11B199

AUTHOR: Isayev, P.; Severyan'skiy, M.

TITLE: The production of KK-Pairs in  $\pi\pi$ -collisions 19

CITED SOURCE: Tr. 7 mezhdunar. konferentsii po voprosam fiz. vysokikh energiy, Sofiya, 1961. Sofiya, 1962, 91-94

TOPIC TAGS: pi pi scattering, KK pair, integral equation, partial amplitude, pi pi collision

TRANSLATION: Using double dispersion relations there are obtained integral equations for partial amplitudes of the process  $\pi + \pi \rightarrow K + K$ . Only S- and P-waves are examined. Under conditions of unitarity there are considered only 2-particle intermediate states. The obtained equations contain the dependence on the phases of  $\pi\pi$ -scattering and on the partial amplitudes of  $\pi K$ -scattering. The requirement of the existence and uniqueness of the solutions of the equations leads to a number of restrictions

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L 8375-66

ACCESSION NR: AR4044030

on the phases of  $\pi\pi$ -scattering and on the partial amplitudes of  $\pi\pi$ -scattering. In particular, the phases of  $\pi\pi$ -scattering at sufficiently high energy should equal  $\pi$ , and the P-phase has at least one minimum. The presence of resonance in the  $\pi\pi$ -systems does not contradict the conditions that the equations be solvable. The solution should contain one indefinite constant.

AMR CODE: NP, VA

ENCL: 00

Card 2/2

ISAYEV, P.S.; KONDRATYUK, I.T.; ZABIGAYLO, V.Ye.

Gas manifestation in the Pavlograd-Petropavlovka area of the  
Donets Basin, Izv.vys.ucheb.zav.; geol. i razv. 6 no.10:68-79  
0 '63, (MIRA 18:4)

1. Dnepropetrovskiy gornyy institut im. Artyoma.

L 16504-63

EWT(m)/BDS AFFTC/ASD

ACCESSION NR: AP3005282

S/0056/63/045/002/0294/0302

AUTHOR: Isayev, P. S.; Lend'yel, V. I.; Meshcheryakov, V. A.

55  
53

TITLE: Partial Pi-N scattering waves with account of Pi-Pi interaction

19

SOURCE: Zhur. eksper. i teoret. fiz., v. 45, no. 2, 1963, 294-302

TOPIC TAGS: pion nucleon scattering, pion pion interaction, partial wave , dispersion relation

ABSTRACT: The effect of  $\pi\pi$  interaction in the  $T = J = 0$  state on the N scattering partial waves is investigated by the dispersion relations method; this study is a continuation of previous work by the authors (ZhETF v. 43, 1339, 1962 and OIYaN preprint R-938, 1962). The method used for taking into account the  $\pi\pi$  interaction makes it possible to choose between various forms for the energy dependence of the phase shift, and the results obtained prove the self-consistency

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L 16504-63

ACCESSION NR: AP3005282

of the method when used to describe phenomena in the low-energy region. It is shown that the s-wave dominant solution of Chew, Mandelstam, and Noyes (Phys. Rev. v. 119, 478, 1960) does not describe the energy dependence of the partial waves in  $\pi N$  scattering. The approximations for the scattering length and the resonant behavior of the phase shift on the solution of the set of equations for scattering partial waves is also discussed. The most probable form of the  $\delta_0^{(0)}$  scattering phase shift is discussed. Relations between the contributions of the  $\pi\pi$  interaction to the s and p  $\pi N$  scattering waves are obtained and their implications for the static limit are considered. The static limit is taken in the final expressions and is compared with the experimental data. Satisfactory description of the experimental data on  $\gamma N$  scattering is obtained if the  $\pi\pi$  interaction is taken into account, and satisfy certain conditions, and if it is assumed that the phase shifts have a resonant character. The authors are grateful to D. V. Shirkov for useful advice. One of us

Card 2/3

L 16504-63

ACCESSION NR: AP3005282

(V. I. L.) is grateful to the management of the Laboratory of Theoretical Physics of the Joint Institute for the hospitality extended to hom." Orig. art. has: 5 figures and 24 formulas.

ASSOCIATION: Ob''yedinenny\*y institut yadernykh issledovaniy (Joint Institute of Nuclear Research)

SUBMITTED: 01Feb63

DATE ACQ: 06Sep63

ENCL: 00

SUB CODE: PH

NO REF Sov: 004

OTHER: 012

Card 3/3

ISAYEV, P.S.

International Conference on Nucleon Structure. Atom. energ. 16 no.1:  
79-82 Ja '64. (MIRA 17;2)

L 6764-65 ENT(m) DIAAP/RAFM(a)/RAFM(t)

ACCESSION NR: AP4046417

S/0056/64/047/003/0970/0014

AUTHORS: Isayev, P. S.; Meshcheryakov, V. A.; Radutskiy, G. M.; Tabachenko, A. N.

TITLE: Relativistic corrections to s- and p-waves of pi-N scattering

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 47, no. 3, 1964, 970-974

TOPIC TAGS: pion nucleon scattering, relativistic correction, pion pion interaction, elementary particle scattering, phase shift correction, s wave, p wave

ABSTRACT: The authors calculate the relativistic corrections to the s and p waves of pion nucleon scattering, which were treated by some of the authors in earlier papers (Isayev and Meshcheryakov, ZhETF v. 43, 1339, 1963; Isayev, V. I. Lend'yel', and Meshcheryakov,

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L 6764-65

ACCESSION NR: AP4046417

ZhETF v. 45, 294, 1963). The calculation shows that the relativistic corrections are small in the entire energy range under consideration. The s<sup>(-)</sup> wave of the pion-nucleon scattering is considered, with allowance for the relativistic corrections and with additional inclusion of the s-wave in the unitarity conditions. The p-wave correction is obtained from symmetry considerations, and that for a correct description of the s<sup>(-)</sup> and p<sub>1/2</sub><sup>(-)</sup> phase shifts of the pion nucleon scattering it is essential to take account of the pion pion interaction. If the small phase shifts of pion-nucleon scattering are determined experimentally in the energy region up to 300--400 MeV with increased accuracy, it will become possible to separate reliably the pion pion scattering and to determine its parameters (scattering length and position of the resonance). Orig. art. has: 1 figure and 7 formulas.

ASSOCIATION: Ob'yedinennyj institut yadernykh issledovaniy  
(Joint Institute of Nuclear Research)

Card 2/3

L 6764-65  
ACCESSION NR: AP4046417

SUBMITTED: 21Mar64

ENCL: 00

SUB CODE: NP

NR REF SOV: 005

OTHER: 002

Card 3/3

ISAYEV, P.S.

International Conference on Problems of the Quantum Theory of  
Systems with Many Degrees of Freedom. Atom. energ. 18 no.1:79-80  
Ja '65.  
(MIRA 18:2)

ACC NR: AP6000204

SOURCE CODE: UR/0056/65/049/005/1475/1482

AUTHOR: Isayev, P. S.; Radutskiy, G. M.

ORG: Joint Institute of Nuclear Research (Ob'yedinennyj institut yadernykh issledovanij)

TITLE: Self-consistent calculation of the  $K^*$  resonance parameters

SOURCE: Zhurnal eksperimental'noj i teoreticheskoy fiziki, v. 49, no. 5, 1965,  
1475-1482

TOPIC TAGS: K meson, asymptotic property, moving pole method, inelastic scattering

ABSTRACT: The authors use the bootstrap method as developed by L. Balazs (Phys. Rev., v. 128, 1939, 1962; v. 132, 867, 1963) to calculate the mass and width of the  $K^*$  meson. In this method the asymptotic behavior of the amplitudes is described by the Regge poles in the crossed channels, and the effect of inelastic processes is included by introducing a certain function in the two-channel unitarity condition. The solution depends on the following parameters: the slope  $\epsilon$  of the Regge trajectory of the  $K^*$  meson, the reference point  $s_0$ , the function  $R(s)$  which describes the contribution from inelastic processes, and the point  $t_d$  which divides the physical energy region into a part in which the contribution from inelastic processes is small ( $R(s) \approx 1$ ), and another in which it is appreciable ( $R(s) \gg 1$ ). The following solutions have been obtained for the various values of the parameters  $\epsilon$ ,  $s_0$ ,  $t_d$ , and  $R(s)$ :

(1)  $M_{K^*} = 832$  Mev and  $\Gamma_{K^*} = 82.5$  Mev (against experimental 885 and 50 Mev, respectively)

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15668-66

ACC NR: AP6000204

2

tively), and (2)  $M_{K^*} = 815$  Mev and  $\Gamma_{K^*} = 51.4$  Mev. Besides obtaining solutions which are close to the experimental data, the paper also discusses the sensitivity of these solutions to the choice of the parameters. It is found that the solutions are especially sensitive to the choice of the reference point. Authors thank M. Severyn'-skiy for helpful discussions and V. Nikitin for help with the computer calculations.

Orig. art. has: 3 figures, 12 formulas, and 1 table.

SUB CODE: 20,12 / SUBM DATE: 26Mar65 / ORIG REF: 001 / OTH REF: 007

Card 2/2

ИНКВ, Р.С.

Processing the indicator curves of wells in a fractured reservoir.  
Neft. khoz. 41 no. 11, 43-49 N '63. (MIRA 1727)

ISAYEV, R.G.

Fluid flow in a fractured reservoir rock. Izv.vys.ucheb.za...;  
neft' i gaz 7 no. 1:69-72 '64.  
(MIRA 17:7)

1.Groznenskiy neftyanoy institut.

ISAYEV, R.G.

Nonsteady fluid flow in fractured reservoir rock. Izv. vys. ucheb. zav.; neft' i gaz 7 no.7:71-75 '64.

(MIRA 17:9)

1. Groznenkiy neftyanoy institut.

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9

ISAYEV, R.G.

Flow of gas in a fractured reservoir rock. Gaz. prom. 9 no.12:  
7-9 '64. (MIRA 18:3)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9"

ISAYEV, R.G.

Certain features of the nonsteady-state processes of fluid recovery by a fractured bed. Izv. vys. ucheb. zav.; neft' i gaz. 8 no.5;73-77 '65.

(MIRA 18:7)

1. Grozneneskiy neftyanoy institut.

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9

ISAYEV, R.G.

Method for processing indicator curves of wells producing  
fractured reservoirs. Neft. khoz. 43 no.8:26-28 Ag '65.  
(MIRA 18:12)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9"

L 14955-65 AEDC(b)/AFTC(a)

ACCESSION NR: AT4046186

S/0000/64/000/001/0130/0155

AUTHOR: Isayev, R. I.

13

TITLE: Study of critical rotor speed with changing rigidity in the rotor supports

SOURCE: Prochnost' i dinamika aviatcionnykh dvigatelyey (Durability and dynamics of aircraft engines); sbornik statey, no. 1. Moscow, Izd-vo Mashinstroyeniya, 1964, 130-155

TOPIC TAGS: turbine rotor, rotor speed, rotor support, critical rotor speed

ABSTRACT: Noting that rotor operation at rpm's corresponding to the critical speed is dangerous and is generally not practiced, the author points out that, in connection with the need to ensure reliable rotor operation, particularly in stationary modes, over a wide interval of velocities, the question arises of the elimination of critical rotor speed from this interval. A number of techniques which have been proposed to this end are reviewed and criticized. In the present work, a method is considered for excluding critical rotor speed by changing the rigidity of the supports during the actual process of operating the machine. Certain theoretical research is presented along with the results of experimental

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L 11955-65

ACCESSION NR: AT4046186

work conducted on a single-mass installed rotor. On the basis of theoretical and experimental investigations it is established that it is possible, through the use of this method, to eliminate critical rotor speed and to ensure rotor operation over a wide range of rotation numbers, both in stationary as well as in transient modes, with shaft whipping held extremely low. The research presented leads to the conclusion that, by varying support rigidity at revolutions which correspond to the points of intersection of the rotor resonance curves on the initial, and by more elastic supports, critical rotor revolution numbers can be very effectively eliminated; that is, it is possible to achieve a rotor which, in effect, has no critical speed. The author claims that this method is more efficient than other known methods of counteracting critical speeds and that it is applicable to actually existent rotor design configurations. Orig. art. has 19 figures and 32 formulas.

ASSOCIATION: None

SUBMITTED: 15Apr64

ENCL: 00

SUB CODE: PR

NO REF Sov: 007

OTHER: 000

Card 2/2

ISAYEV, R.M.  
25685

Vinomaterialy Dlya Igristykh Vin Iz Sorta Matrassa. Vinodelke I vVinogradarstvo  
SSSR, 1948, No. 6, s. 17-18

SO: LETOPIS NO. 30, 1948

KAL'BUS, G., kand. tekhn. nauk; ISAYEV, S.

Device for lifting wheeled tractors. Tekh. sov. kolkh., RTS,  
sovkhоз. 20 no.23; 1-3 D '59.  
(MIRA 13:3)  
(Tractors--Maintenance and repair)

ISAYEV, S., prokhodchik; NAZMUTDINOV, A., rabochiy ochistnogo zabora;  
RETIVYKH, S., vzryvnik; KICHKO, S., rabochiy ochistnogo zabora.

"Utes" rest home. Mast.ugl. 9 no.8:25 Ag '60. (MIRA 13:8)

1. Kopeyskaya shakhta No.30 (for Isayev).
  2. Kopeyskaya shakhta No.42 "Kapital'naya (for Nasmutdinov, Retivykh).
  - 31 Korkinskaya shakhta "Prigorodnaya" (for Kichko).
- (Ural Mountain region--Coal miners)  
(Labor rest homes)

STEPANOV, F.N.; BAKLAN, V.F.; ISAYEV, S.D.

Adamantane and its derivatives. Part 2: Synthesis of trisubstituted derivatives of adamantane. Zhur.org.khim. 1 no.2:280-283 F '65.

(MIRA 18:4)

1. Kiyevskiy politekhnicheskiy institut i Institut organicheskoy khimii AN UkrSSR.

ISAYEV, S. G.

measuring instruments

New devices for technical control. Tabak 13 no. 3 (1952)

9. Monthly List of Russian Accessions, Library of Congress, September 1951. Unclassified.

2

ISAYEV, S. G.

Isayev, S. G. "Restoration of the sexual member to its natural position in a specimen n stallion," Trudy Alma-At. vet.-zootekhn. in-ta, Vol. V, 1948, p. 233-35

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

ISAEV, S. G., FAT'KIN, N. F., Lecturers.  
"Anesthetization of penis in Bull."

SO: Veterinariia 25 (3), 1948, p 24.

ISAEV, S. G. Cand. Vet. Sci.  
Belotserkov Agricultural Institute  
"Chloral hydrate narcosis of swine"  
S: Veterinarija 27 (7), 1950, p. 50

ISAYEV, S.G., dots.

Operation for ventral hernia in cows. Veterinariia 35 no. 4:62-65  
Ap '58. (MIRA 11:3)

I. Belotserkovskiy sel'skokhozyaystvennyy institut.  
(Ventral hernia) (Cows--Diseases and pests) (Veterinary surgery)

ISAYEV, S.G.

Device for the examination of algesia and tactile sensitivity.  
Zhur. nevr. i psikh. 65 no.8:1182-1183 '65.

(MIRA 18:8)

1. Nevrologicheskaya klinika Pyatigorskogo nauchno-issledovatel'skogo  
instituta kurortologii i fizioterapii (direktor - kand. med. nauk  
Ye.A. Kamenskiy).

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9

DIKKER, G.L., inzh.; ISAYEV, S.G., inzh.

Mechanization and automation in the tobacco industry. Mekh.i  
avtom.proizv. 16 no.4:12-14 Ap '62. (MIRA 1584)  
(Tobacco processing machinery) (Automation)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9"

1 SAYEV, S. G., docent.

Surgical operations on pregnant animals. Veterinarija 41 no. 5:  
87 My '64. (MIRA 18:3).

1. Belctserkovskiy sel'skokhozyaystvennyy institut.

MAZITOVA, Sh.S., kandidat tekhnicheskikh nauk; ISAYEV, S.I., inzhener,  
redaktor; MASHEVSKIY, G.K., tekhnicheskiy redaktor.

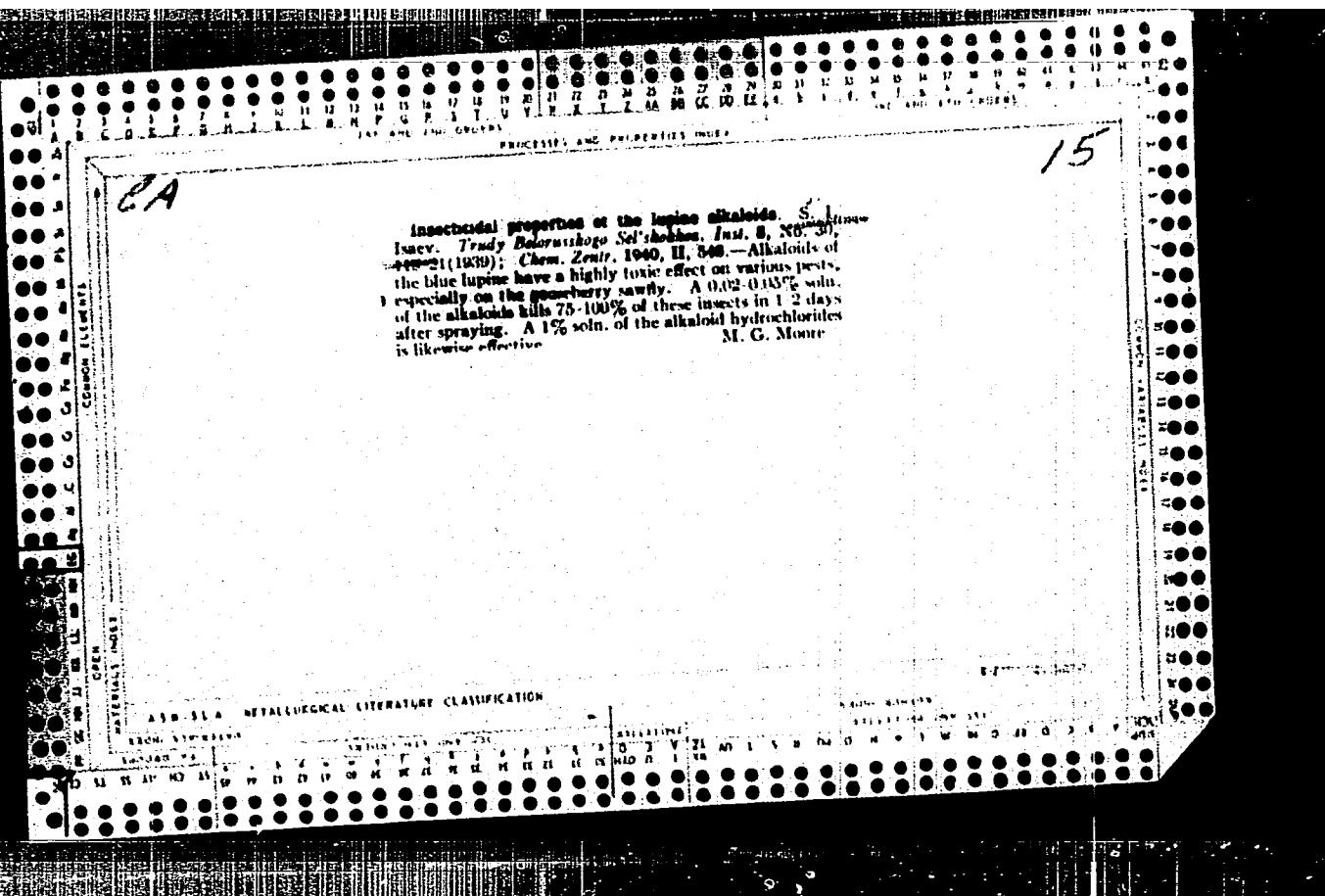
[Engineering methods for computing the impact strength of machine  
parts] Inzhenernye metody rascheta detalei mashin na prochnost' pri  
udare. Stalinskii sel'khoz. in-t, 1957. 193 p.  
(Machinery--Design) (Impact) (MLP 10:9)

PANASENKO, Georgiy Danilovich; GRAVE, M.K., kand. geogr. nauk, otv. red.; ISAYEV, S.I., kand. fiz.-mat. nauk, otv. red.

[Tiltmeter observations in the Kola Peninsula] Neklono-mernye nabliudeniia na Kol'skom poluostrove. Moskva, Nauka, 1965. 125 p. (MIRA 18:7)

ISAEV, S. I.

Michurin varieties of fruits and berries. Moskva, "sel'khозgiz", 1936. 159 p.



ISAYEV, S. I.

Agriculture

Ivan Vladimirovich Michurin - great scientist, transformer of nature; Moskva, (Pravda)  
1950. (Kolkhoznaia seriya).

9. Monthly List of Russian Accessions, Library of Congress, May 1951. Unclassified.  
2

ISAYEV, S. I.

Apple

Development of low-spreading varieties of apple trees. Sad log. No. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1952, Unclassified.

ISAYEV, S. I.

Apple

New winter and fall varieties of apples. Sad i og. No. 6, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

ISAYEV, S. I.

Agriculture-Study and Teaching

Faculty of Biology and Soil Science Vest. vys. shkoly 10 No. 4, April 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1952 Unclassified.

1. ISAYEV, S. (Prof.)
2. USSR (600)
4. Growth (Plants.)
7. "Development of plants by stages." T. D. Lysenko. Reviewed by Prof. S. I. Isayev.  
Sad i og. no. 11 1952.
9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9

ISAEV, S. I.

Development of Michurin methods in breeding gruit plants. Moskva, Leningrad, 1953. 31 p.

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9"

ISAYEV, S.I.; MERKUR'YEVA, Ye.K.; STROGOANOVA, N.S.; VEPGINSON, N.I.

Critique of new concepts in science from the position of old concepts:  
discussion on N. V. Turbin and N. D. Ivanov article. "Izv. Akad. nauk  
SSSR; Ser. Biol. no.2:34-48 Mar-Apr 1953. (GLML 24:3)

ISAYEV, S.I., professor, laureat stalinskoy premii.

Role of the mother organism in the heredity of the descendants. Est. v  
shkole no.3:18-24 My-Je '53. (MLRA 6:5)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.  
(Hybridization, Vegetable)

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9

ISAYEV, S.I., doktor sel'skokhozyaystvennykh nauk, professor, laureat Stalinskoy premii.

With Czechoslovakian disciples of Michurin. Nauka i zhizn' 20 no. 4:36-38  
(MLRA 6:5)  
Ap '53. (Czechoslovakia--Agriculture)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9"

ISAYEV, Sergey Ivanovich; KATSNEL'SON, S.M., redaktor; ISLET'YEVA, P.G.  
~~tekhnicheskiy redaktor.~~

[I.V. Michurin, great naturalist and transformer of nature;  
on the centennial of Michurin's birth] I.V. Michurin - velikii  
estestvoispytatel' preobrazovatel' prirody: k stoletiu so dnia  
rozhdeniya. Moskva, Izd-vo "Znanie," 1955. 39 p. (Vsesoiuznoe  
obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii.  
Ser. 5, no.27) (MLRA 8:9)  
(Michurin, Ivan Vladimirovich, 1855-1935)

ISAYEV, S.I.

Development of Michurin's methods of plant transformation. Vest.Mosk.  
un. no.9:81-93 S '55. (Botany--Variation) (MIRA 9:1)

ISAYEV, Sergey Ivanovich, doktor sel'skokhosyaystvennykh nauk, professor;  
USPENSKAYA, N.V., redaktor; FURMAN, G.V., tekhnicheskiy redaktor

[Luther Burbank] Liuter Burbank. Moskva, Izd-vo "Znanie," 1956.  
30 p. (Vsesoiuznoe obshchestvo po rasprostraneniu politicheskikh  
i nauchnykh znanii. Ser. 3, no.30)  
(MLRA 9:9)  
(Burgank, Luther, 1849-1926)

ISAYEV, S.I., professor.

About the article "Experiments on the grafting of eggplants" by  
the Japanese professor Yoshindo Shinoto. Izv.AN SSSR.Ser.biol.  
no.3:108-109 My-Je '56. (MLRA 9:8)

1. Moskovskiy ordena Lenina i ordena Trudovogo Krasnogo znameni  
gosudarstvennyy universitet imeni M.V. Lomonosova.  
(EGGPLANT) (HYBRIDIZATION, VEGETABLE)

ISAYEV, S. I.

A-2

USSR/General Section - History, Classics, Personalities

Abs Jour : Referat Zhurn. Biol. No 16, 25 Aug 1957, 67825

Author : Isayev, S.I.  
Title : Life and Creative Genius of Luther Burbank.

Orig Pub : Agrobiologiya, 1956, No 3, 145-150.

Abstract : No abstract.

Moskovskiy Gosudarstvennyy University im. M. V. Lomonosova.

- 12 -

Card 1/1

USSR / General and Special Zoology. Insects. Harmful  
Insects and Mites. General Problems.

P

Abs Jour: Ref Zhur-Biol., No 1, 1959, 2272.

Author : Isayov, S. I.

Inst : Azov Black Sea Agricultural Institute.

Title : Aerial Dusting with Hexachlorocyclohexane is  
an Effective Method of Controlling the Moths  
of the Beet Webworm (Loxostege sticticalis).

Orig Pub: Sb. nauchno-issled. rabot. Azovo-Chernomorsk.  
s.-kh. in-t, 1957, 15, 245-247.

Abstract: An experiment in aerial dusting with 12% hexa-  
chlorocyclohexane (10, 20 and 30 kg/ha) was car-  
ried out on 18 ha area of virgin land in the  
Altay Kray. The moths emerged on 100 paces  
respectively as follows: 115, 122 and 96 prior  
to dusting; 38, 35 and 80 moths were caught with

Card 1/2

USSR / General and Special Zoology. Insects. Harmful  
Insects and Mites. General Problems.

P

Abs Jour: Ref Zhur-Biol., No 1, 1959, 2372.

Abstract: 50 double sweeps of the sweeping net before dusting, and 7,1 and 0 moths were caught after dusting. The most adequate outlay norm of hexachlorocyclohexane in the control of the beet webworm moth is 20 kg/ha, but even in a outlay of 10 kg/ha there was no emergence of moths, nor were the plants damaged. -- A. P. Adrianov.

Card 2/2

21

ISAYEV, S.I.

Lucien Daniel's life and activities; on the one hundredth  
anniversary of his death. Zhur. ob. biol. 18 no.2:94-102 Mr-Ap '57  
(MIRA 10:5)

(DANIEL, LUCIEN LOUIS, 1856-1940) (HYBRIDIZATION, VEGETABLE)

ISAYEV, S.I., prof.

Michurin's gardens are blooming. IUn.nat. no.6:1-3 Je '60.  
(MIRA 13:8)

1. Moskovskiy universitet.  
(Michurin, Ivan Vladimirovich, 1855-1935)  
(Fruit culture)

S/020/60/135/005/040/043  
B016/B052

AUTHORS: Isayev, S. I., Dryagina, I. V. and Vershinkina, I. M.

TITLE: Influence of Chronical Exposure to Co<sup>60</sup> Radiation on the Growth of Gladiolus and the Development of Vegetative Descendants

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 135, No. 5,  
pp. 1250-1253

TEXT: The authors report on their experiments on the chronical exposure of Gladiolus plants (species: "Sommerfreude", and "Vincent Van Gogh") to the radiation of Co<sup>60</sup>. They studied the influence on growth and vegetative propagation. The cobalt radiation source was in the  $\gamma$ -field of the Vsesoyuznyy institut udobreniy i agropochvovedeniya (All-Union Fertilizer and Soil Science Institute) of the VASKhNIL (Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V. I. Lenina, All-Union Academy of Agricultural Sciences imeni V. I. Lenin). In 1959, young bulbs were planted at a distance of 2.85-30 m from the cobalt source (highest dose: 28301 r) (lowest dose: 347 r). The control plants received only 4.6 r during the whole period of vegetation. These experiments showed Gladiolus to be highly

Card 1/2

Influence of Chronical Exposure to Co<sup>60</sup>  
Radiation on the Growth of Gladiolus  
and the Development of Vegetative  
Descendants

S/020/60/135/005/040/043  
B016/B052

resistant toward ionizing radiation, and within four months it withstands radiation of higher intensity than that applied to the bulbs before planting. Only the development of vegetative descendants is considerably inhibited. The effect on growth germinative faculty, size of the developing bulbs, and photosynthesis was not uniform. The photosynthesis of irradiated plants was not inhibited. Among the plants exposed to strong radiation there were some individuals with high radiation resistance and propagation coefficients. The authors mention the Agrobiological Station of Moscow State University at Chashnikovo. There are 5 tables and 2 Soviet references.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova  
(Moscow State University imeni M. V. Lomonosov)

PRESENTED: June 24, 1960, by N. V. Tsitsin, Academician

SUBMITTED: June 21, 1960

Card 2/2

ISAYEV, S.I., prof.

Experiments in developing apple trees of different growth types.  
(MIRA 13:12)  
Agrobiologija no.6:815-823 N-D 1960.

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova,  
kafedra genetiki i selektsii.  
: (Apple)

ISAYEV, S.I.

Our help to production in the training of specialists. Zashch.  
rast. ot vred. i bol. 6 no.3:7-9 Mr '61. (MIRA 15:6)

1. Zaveduyushchiy kafedroy zashchity rasteniy Azovo-Chernomorskogo  
sel'skokhozyaystvennogo instituta.  
(Rostov Province—Plants, Protection of)

ISAYEV, S.I.; DRYAGINA, I.V.; SAVCHENKO, G.V.

Irradiation of apple trees by Co<sup>60</sup>. Nauch. dokl. vys. shkoly;  
biol. nauki no.3:105-108 '61. (MIRA 14:7)

1. Rekomendovana kafedroy genetiki i selektsii Moskovskogo  
gosudarstvennogo universiteta im. M.V.Lomonosova.  
(PLANTS, EFFECT OF GAMMA RAYS ON) (APPLE)

ISAYEV, S.I., doktor sel'skokhozyaystvennykh nauk, prof.

"Development biology of agricultural plants" by A.A. Avakian.

Reviewed by S.I. Isaev. Zemledelie 23 no. 2:94-96 F '61.  
(MIRA 14:2)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.  
(Field crops) (Avakian,A.A.)

ISAYEV, S. I., VARTAPETYAN, V. V.,

"Some Biochemical and Physiological Properties of Plant Reciprocal Hybrids."

report submitted for the 11th Intl. Congress of Genetics, The Hague, Netherlands,  
2-10 Sep 63

ISAYEV, S.I.; DRYAGINA, I.V.; MAZAYEV, V.P.; AGAMALOVA, S.P.

Experiments in irradiating apple buds with  $\text{Co}^{60}$  and X rays  
before their inoculation. Uch. zap. Kab.-Balk. gos. un.  
no.12:255-260 '62. (MIRA 16:6)

(Plants, Effect of radiation on)  
(Budding) (Apple)

ISAYEV, S.I.; DRYAGINA, I.V.; MAZAYEV, V.P.; YEGOROVA, L.S.

Some physiological and biochemical characteristics of the  
genetically related varieties of apple with various frost  
resistance. Vest. Mosk. un. Ser. 6:Biol. pochv. 17 no.6:  
(MIRA 17:6)  
40-47 N-D '62.

1. Kafedra genetiki i selektsii Moskovskogo universiteta.

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9

ISAYEV, S. I.

"Auroral Displays and Magnetic Activity on Cape Chelyuskina on the Basis of  
Observations During 1935-36," Prob. Ark., No.5, pp 29-39, 1937

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9"

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9

ISAYEV, S. I.

"Diurnal Variations in Aurora Polaris Activity," Ark. prob., No.2, 1939

Translation D 488695

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9"

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9

ISAYEV, S. I.

"Certain Features of the Auroral Displays in Various Zones," Problem.  
Arktik., No.10-11, pp. 21-30, 1939

Translation 563846

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9"

ISAYEV, L. T.

O sutochnoy periodichnosti polyarnykh siyanii vnutri zony maksimal'noy chastoty.  
(Daily Variation of Aurora Within the Zone of Maximum Frequency). Problemy Arktiki,  
1940, no. 9, p. 41-44, 7 refs.

G600.P7 1940

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9

ISAYEV, S. I.

"Correlation of the Activity of Ralliances with the Intensive Regions of the Solar Corona", Doklady NII-2M, No. 4, 1948- (1-4)

SO: U-3039 11 Mar 1953

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9"

ISAYEV, S.L.; KHVOSTIKOV, I.A., prof., red.; FIRSOVA, Ye.A., red.;  
MOSKVICHEVA, N.I., tekhn.red.

[Northern lights] Poliarnye siania. Pod red. I.A.Khvostikova.  
Moskva, Izd-vo Glavsevmorputi, 1952. 60 p. (MIRA 11:5)  
(Auroras)

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9

ISAYEV, S.I.

"Hydrogen Radiation in the Spectrum of Polar Aurorae."

The Physics of Solar Corpuscular Streams and their Influence on the Upper Atmosphere  
of the Earth, Moscow, Izdatel'stvo Akademii Nauk SSSR, 1957.

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9"

ISAYEV, S.I.

Preparations for the study of aurora borealis in Murmansk. Mezhdunar.  
geofiz. god no.3:86-87 '57. (MIRA 11:5)  
(Murmansk--Auroras)

ISAYEV, S.I.

7.6-244

Isayev, S. I. Pollarnye zvezdnye. [Auroras.] *Priloga*, Moscow, 44(9) 19-27, Sept. 1955. 351.594.5  
4 figs., 6 plates, rps. DLC—The author reviews the results of investigations on the aurora borealis that have been carried out during the past decade. The discussion includes the zone of occurrence of the aurora borealis, its height, its relationship to magnetic storms, characteristics of its spectrum, its relationship to polar phenomena, and the upper layer of the earth's atmosphere, etc. Various theories on the origin of the aurora borealis are presented. Diagrams and photographs accompany the discussion. Subject Heading: 1. Auroras.—J.L.D.

Translation 568474

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9

ISAIEV, S.I. [Isaiev, S.I.]

Northern lights. Dos. such. fiz. no. 5:287-301 '57.  
(MIRA 16:6)  
(Auroras)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9"

Isayev, S.I.

25-8-17/42

AUTHOR:

Isayev, S.I., Chief of the Murmansk Department of the Scientific Research Institute for Earth Magnetism, Ionosphere and the Diffusion of Radio Waves

TITLE:

Polar Lights (Polyarnyye siyaniya)

PERIODICAL:

Nauka i Zhizn', 1957, # 8, pp 33-34 (USSR)

ABSTRACT:

The article deals with the study of polar lights which is one of the most important sources in the research of the upper layers of the atmosphere. During the IGY, great efforts will be made in this field, special stations with automatic cameras will be set up in the polar regions, etc. Another method for studying polar lights is the application of radar devices, which permit immediate measuring of the distance, altitude, electronic density and the speed of movement of the lights. Such stations will be established in the Tikhaya bay, Tiksa bay on the Shmidt cape, the Dixon island and near Murmansk. The spectral research of polar lights is of great importance. The Institute of Atmospheric Physics (Institut fiziki atmosfery) of the USSR Academy of Sciences will simultaneously carry out comprehensive spectro-graphical observations in the environs of Murmansk, Leningrad, and Moscow. Members of the

Card 1/2

Polar Lights

25-8-17/42

State Optical Institute (Gosudarstvennyy opticheskiy institut), headed by Professor N.E. Tsarevskiy and V.K. Prokof'yev designed a perfect apparatus for spectrum analyses aimed at revealing polar lights in the southern regions of USSR. The astrophysical observatory in the Alma-Ata mountains plans to organize spectrophysical control of the northern regions of the sky. The Institute for Earth Magnetism, Ionosphere and the Diffusion of Radio Waves (NIZMIR) of USSR established a special center with the aim to provide foreign countries, individual scientists and organizations with synoptic cards of polar lights (drawn up according to the material received from the various observation stations in the USSR and copies of films. There is one sketch.

ASSOCIATION: Murmansk Department of the Scientific Research Institute for Earth Magnetism, Ionosphere and the Diffusion of Radio Waves (Murmanskoye otdeleniye nauchno-issledovatel'skogo instituta zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln)

AVAILABLE: Library of Congress

Card 2/2

3(7)

PHASE I BOOK EXPLOITATION

SOV/1357

Isayev, Sergey Ivanovich and Nikolay Vasil'yevich Pushkov

Polyarnyye siyaniya (Polar Lights) Moscow, Izd-vo AN SSSR, 1958.  
111 p. (Series: Akademiya nauk SSSR. Nauchno-populyarnaya seriya)  
25,000 copies printed.

Resp. Ed.: Lebedinskiy, A I., Doctor of Physical and Mathematical Sciences,  
Professor; Ed.of Publishing House: Sameonenko, L.V.; Tech. Ed.: Polenova, T.P.

PURPOSE: This is a popular science type booklet intended for the general reader.

COVERAGE: Various forms of polar lights, the altitudes at which initial luminescence occurs, their geographical distribution, and dependence on the time of the year and day are discussed. The relation between polar lights and other similar atmospheric phenomena and solar activity is also reviewed. A large part of the book is devoted to the origin of polar lights and to the physical processes occurring in the atmospheric layers where such phenomena take place. There are 50 figures and 14 tables.

Card 1/3

gov/1357

Polar Lights

TABLE OF CONTENTS:

Introduction

Development of Current Views on Polar Lights

3

Appearance of Polar Lights, Their Forms and Classification

5

Geographic Distribution and Altitudes of Polar Lights

10

Polar Lights and Magnetic Storms

15

Polar Lights and Solar Activity

20

Analysis of Polar Light Spectra

25

Composition and Temperature of Upper Atmospheric Layers Based on

30

Observations of Polar Lights

35

Radio Sounding of Polar Lights

40

Card 2/3

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42146

S/203/62/002/004/007/018  
I046/I242

3.1810

AUTHOR:

Isayev, S.I.

TITLE:

Geographical distribution of aurorae and the terrestrial radiation belts

PERIODICAL: Geomagnetism i aeronomiya, v.2, no.4, 1962, 663-668

TEXT: Analysis of the experimental data accumulated during one and a half solar cycle (1932-1948) at 450 stations in the USSR indicates that, apart from the principal Fritz zone of maximum auroral frequency ( $\Phi = 68^\circ$ ), there are two additional belts of increased auroral activity, viz., the middle-latitude zone M ( $\Phi = 52 - 58^\circ$ ) and the high-latitude zone H ( $\Phi = 64 - 68^\circ$ ). The M-zone exists only during strong geomagnetic storms, growing in intensity during periods of maximum solar activity. The H-zone, formed in moderate geomagnetic disturbances, persists during strong storms as well; it is weak during periods of minimum solar activity. The M-zone is apparently associated with the outer radiation belt, whereas the

X

Card 1/2

S/203/62/002/004/007/018  
I048/I242

Geographical distribution of...

H-zone takes its origin in the outermost, the third belt. The auroral activity of the Fritz zone, which remains active even on magnetically quiet days, is due to charged solar particles impinging directly on the atmosphere having traversed the geomagnetic field. There are 5 figures.

ASSOCIATION: Polyarnyy geofizicheskiy institut Kol'skogo filiala AN SSSR (Polar Geophysical Institute of the Kola Section, AS USSR)

SUBMITTED: March 6, 1962

Card 2/2

ISAYEV, S.I.

Existence of an area of increased aurora activity in the middle latitudes. Geomag. i aer. 2 no. 5:861-864 g-0 '62. (MIRA 15:10)

1. Polyarnyy geofizicheskiy institut Kol'skogo filiala AN SSSR.  
(Auroras)

ISAYEV, S.I.; KOROTIN, A.B.; FEL'DSHTEYN, Ya.I.

Joint Franco-Soviet expedition to study auroras. Geomag. i aer.  
2 no.5:1014-1015 S-0 '62. (MIRA 15:10)  
(Auroras) (International cooperation)

ISAYEV, S.I., kand. fiz.-mat. nauk, otv. red.

[Study of auroras, geomagnetic disturbances, and the ionosphere at high latitudes] Issledovanie poliaromykh sianii, geomagnitnykh vozmushchenii i ionosfery v vysokikh shirotakh. Moskva, Nauka, 1965. 78 p.

(MIRA 18:1)

l. Akademiya nauk SSSR. Kol'skiy filial, Kirovsk. Polyarnyy geofizicheskiy institut.

ISAYEV, S.I.

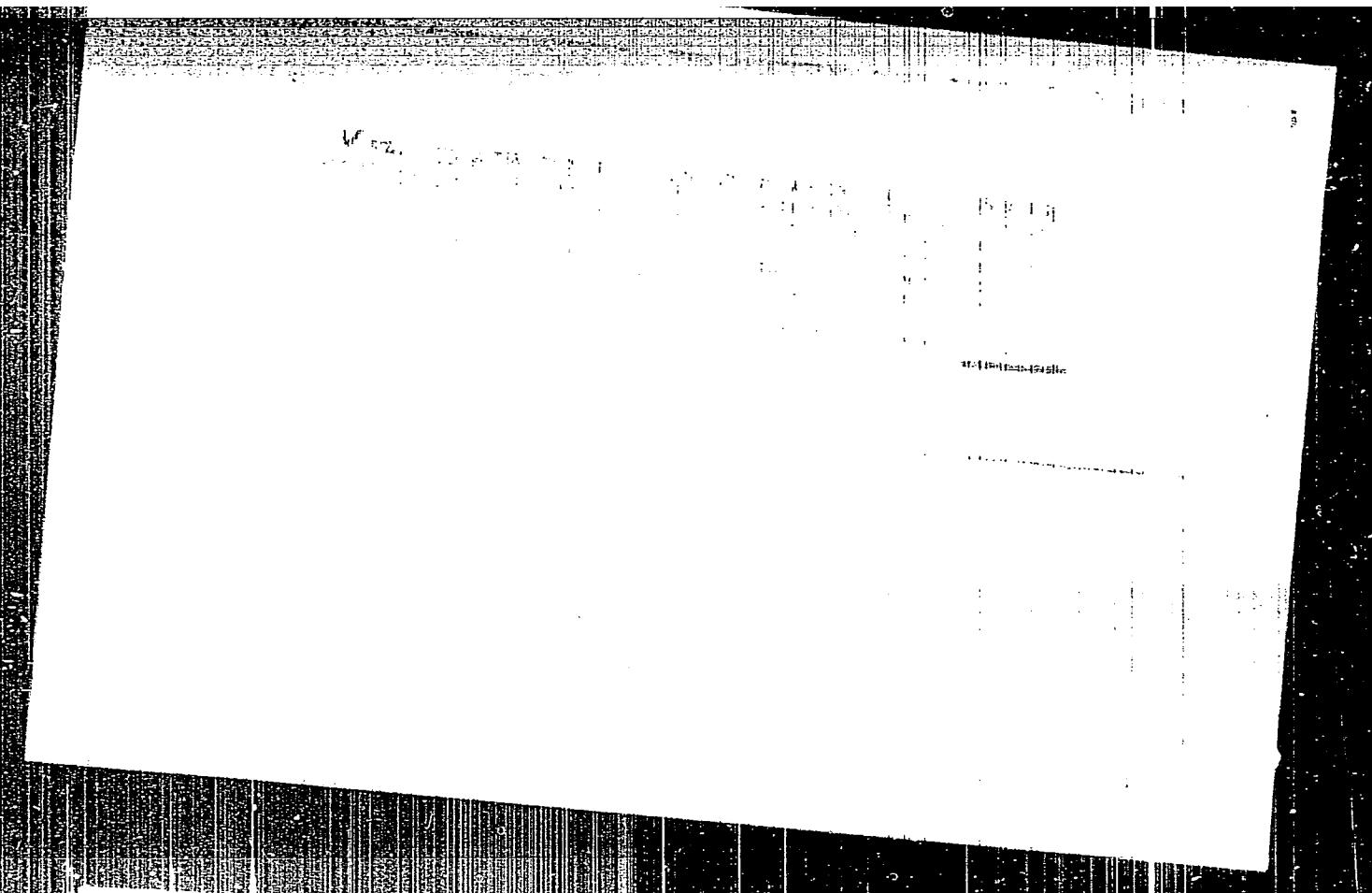
Meeting of the Subcommittee of the Association of Geomagnetism and Aeronomy of the International Union of Geodesy and Geophysics on issuing a new atlas of auroras. Geomag. i aer. 3 no.1:178-180 Ja-F '63.

(MIRA 16:4)

(Auroras)

"APPROVED FOR RELEASE: 04/03/2001

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APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820007-9"

ISAYEV, S.I., Cand Tech Sci--(disc) "Study of the biphasic isothermal flow on a model of a cyclone combustion chamber." Mos, 1959. 10 pp  
Min of Higher Education USSR. Mos Order of Lenin and Order of Labor  
Red Banner Higher Tech School in Bauman), 150 copies (KL48-58, 104)

-40 -

NAKHAPETIAN, Ye.A., kand.tekhn.nauk; ISAYEV, S.I., inzh.

Characteristics of a turbulent flow carrying solid suspensions.  
[Trudy] MVTU no.94:86-99 '58. (MIRA 12:3)  
(Combustion) (Aerodynamics)

ISAYEV, S.I., inzh.

Separation capacity of cyclone combustion chambers. [Trudy] MVTU  
no. 94:100-115 '58.  
(Combustion)

ISAYEV, S.I.

Some results of scientific research performed at the Polar  
Geophysical Institute of the Kola Branch of the Academy of  
Sciences of the U.S.S.R. in 1961. Geomag. i aer. 2 no.3:575-576  
My-Je '62.  
(Russia, Northern--Geophysical research)

(MIRA 15:11)

VASILENKO, Aleksey Nikolayevich, kand. tekhn. nauk; DRYZHAKOV, Yevgeniy Vasil'yevich, dots.; ISAYEV, Sergey Ivanovich, kand. tekhn. nauk; KORNEYCHUK, Nikolay Karpovich, kand. tekhn. nauk, dots.; KOFANOV, Vyacheslav Ivanovich, assistent; KRUTOV, Vitaliy Ivanovich, doktor tekhn. nauk, prof.; MIRONOV, Boris Mikhaylovich, kand. tekhn. nauk; NIGMATULIN, Iskander Nigmatulevich, doktor tekhn. nauk, prof.; NOSOV, Mikhail Vasil'yevich, prof.; SAMOYLOV, Mikhail Sergeyevich, assistent; SPORYSH, Igor' Pavlovich, kand. tekhn. nauk, prof.; KHVOSTOV, Viktor Ivanovich, kand. tekhn. nauk; SHISHOV, Yevgeniy Viktorovich, kand. tekhn. nauk; YUDAYEV, Boris Nikolayevich, kand. tekhn. nauk, dots.; KUTYRIN, I.N., dots., kand. tekhn. nauk, retsentant; SHVEDOV, A.M., dots., retsentant; TUPITSINA, L.A., red.; FUFAYEVA, G.I., red.

[Problems in technical thermodynamics and heat transfer]  
Sbornik zadach po tekhnicheskoi termodinamike i teplopere-  
dache. [By] A.N.Vasilenko i dr. Moskva, Vysshiaia shkola,  
1964. 369 p.  
(MIRA 17:4)

1. Prepodavatel'skiy kollektiv kafedry termodinamiki i teplo-  
peredachi Moskovskogo vysshego tekhnicheskogo uchilishcha  
(for all except Kutyrin, Shvedov, Tupitsyna, Fufayeva). 2. Mo-  
skovskiy aviationsnyy institut (for Kutyrin, Shvedov).